IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	: Examiner: Ricardo J. Palabrica
JAGANNATHAN SEENU SRINIVASAN	: Art Unit: 3641
Serial No. 10/647,757	: Entitled:
Filed: August 25, 2003	: METHOD FOR CALIBRATING STEAM GENERATOR WATER LEVEL MANAGEMENT
Atty Docket: NPE 2002-002	:

September 6, 2005

Eckert Seamans Cherin & Mellott
600 Grant Street - 44th Floor
Pittsburgh, PA 15219

MAIL STOP AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

DECLARATION UNDER 37 CFR 1.132

In support of the arguments submitted in response to the Office Action of May 26, 2005, the following declaration is offered:

I, J. Seenu Srinivasan declare and state:

1. That in 1968, I received my Bachelor of Science Degree in Mechanical Engineering from Madras University.

2. That in 1970, I received my Master of Science Degree in Mechanical Engineering from IIT, Madras.

3. That in 1976, I received a Master of Science Degree in Fluid Mechanics from the State University of New York at Stony Brook.

4. That in 1978, I received my Ph.D. in Two-Phase Flow from the State University of New York at Stony Brook.

5. That I have published over twenty technical papers dealing with the field of fluid mechanics.

6. That I have six issued patents in my name.

7. That I have worked for twenty-five years in control/protection system design, analysis and setpoint determination.

8. That I am responsible for the functional design and analysis of Westinghouse nuclear steam supply system control systems. This includes the preservation of plant operating margins, in light of changing licensing and safety requirements and the expansion of operating margin to improve plant operations (for trip reduction purposes) and plant maneuverability.

9. The mid-deck delta-pressure variation in steam generators was discovered subsequent to the conception of the invention described in my U.S. Patent 5,024,802.

10. This pressure variation drop may be similar to other pressure drops; however, my invention is a method of how to account for this term in determining the setpoint for reactor trips.

11. That combining mid-deck plate delta-pressure and other pressure variations results in different treatment of these pressure variation terms in the reactor control uncertainty calculations.

12. That the other references cited by the Examiner may teach that the pressure drops must be accounted for to determine the mass, but they do not provide a method of how to account for the delta-pressure so that the operating margin in a reactor is maximized.

I further declare and state that all statements herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of the Title XVIII of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

J. Seenu Srinivasan

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Date: September 6, 2005